

REMARKS

The above claim amendments are presented in order to remove multiple claim dependencies, so as to reduce the required filing fee.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attachment page is captioned "Version with markings to show changes made."

Respectfully submitted,

Takatomo SASAKI et al.

By Charles R. Watts
Charles R. Watts
Registration No. 33,142
Attorney for Applicants

CRW/asd
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
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Version with Markings to
Show Changes Made

CLAIMS

1. (Delete)
2. (Delete)
- 5 3. (Amended) A method for growing a single crystal comprising arranging a blade member or a baffle member in a raw material melt in a crucible and growing a single crystal by rotating the crucible without rotating the blade member or the baffle member when growing the single crystal by bringing
- 10 a seed crystal into contact with the raw material melt which is heated and melted within a crucible, wherein the crystal is grown by slowly cooling the raw material melt with which the seed crystal makes contact below liquid level to precipitate a single crystal on the surface of the seed crystal.
- 15 4. (Amended) A method according to claim 3, wherein the seed crystal is also rotated while rotating the crucible.
5. (Amended) A method according to claim 3 ~~or 4~~, wherein a single crystal of an oxide is grown.
- 20 6. A method according to claim 5, wherein the single crystal of an oxide is a single crystal of a borate type oxide.
7. A method according to claim 6, wherein the borate type oxide is $CsLiB_5O_{10}$ or an oxide obtained by partially substituting at least one of Cs and Li of $CsLiB_5O_{10}$ with at least one type among other alkali metal elements and alkali earth metal elements.
- 25 8. A method according to claim 7, wherein the oxide is an oxide doped with at least one of Al and Ga elements.

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9. A method according to claim 6, wherein the borate type oxide is represented by $Gd_x Y_{1-x} Ca_4 O(BO_3)$, ($0 < x < 1$) and the crystal is grown by a pulling method.
10. A method according to claim 5, wherein the single 5 crystal of an oxide is $LiNbO_3$, $LiTaO_3$, a high-temperature superconductive oxide material or a heat-electricity-conversion oxide material.
11. (Delete)
12. (Delete)
- 10 13. (Amended) A growing apparatus for growing a single crystal by bringing a seed crystal into contact with a raw material melt which is heated and melted within a crucible, comprising a blade member or a baffle member arranged in the raw material melt in the crucible, a rotating material for 15 rotating the crucible and a cooling mechanism for slowly cooling the raw material melt, with which the seed crystal makes contact, below liquid level.
14. (Amended) A growing apparatus according to claim 13 comprising a mechanism for rotating the seed crystal.
- 20 15. (Amended) An apparatus for growing a single crystal of an oxide comprising the growing apparatus as claimed in claims 13 ~~or 14~~.
16. A growing apparatus according to claim 15 being used for growing a single crystal of a borate type oxide.